

**PALM INTRANET**

Day : Tuesday
Date: 10/3/2006
Time: 09:55:08

Inventor Name Search

Enter the first few letters of the Inventor's Last Name.
Additionally, enter the first few letters of the Inventor's First name.

Last Name**First Name**

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Term	Documents
(5 NOT 7).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	77
(L5 NOT L7).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	77

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- US Patents Full-Text Database
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DATE: Tuesday, October 03, 2006 [Purge Queries](#) [Printable Copy](#) [Create Case](#)

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result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;
OP=AND*

<u>L8</u>	L5 not L7	77	<u>L8</u>
<u>L7</u>	L5 and (allograft or allogeneic)	31	<u>L7</u>
<u>L6</u>	L5 same (allograft or allogeneic)	3	<u>L6</u>
<u>L5</u>	(corneal adj epithelium) same (graft or transplant or transplantation)	108	<u>L5</u>
<u>L4</u>	(corenal adj epithelium) same (graft or transplant or transplantation)	0	<u>L4</u>
<u>L3</u>	(diacetylcystine) and (immunomodulator or immunosuppressant)	4	<u>L3</u>
<u>L2</u>	L1 and (diacetylcystine)	5	<u>L2</u>
<u>L1</u>	Hamuro-Junji.in.	125	<u>L1</u>

END OF SEARCH HISTORY

Welcome to DialogClassic Web(tm)

Dialog level 05.12.03D
Last logoff: 28sep06 16:35:49
Logon file001 03oct06 13:39:21

*** ANNOUNCEMENTS ***

NEW FILES RELEASED

***Verdict Market Research (File 769)
***EMCare (File 45)
***Trademarkscan - South Korea (File 655)
***Regulatory Affairs Journals (File 183)
***Index Chemicus (File 302)
***Inspec (File 202)

RESUMED UPDATING

***File 141, Reader's Guide Abstracts

RELOADS COMPLETED

***File 11, PsycInfo
***File 531, American Business Directory
*** The 2005 reload of the CLAIMS files (Files 340, 341, 942)
is now available online.

DATABASES REMOVED

***File 196, FINDEX
***File 468, Public Opinion Online (POLL)
Chemical Structure Searching now available in Prous Science Drug
Data Report (F452), Prous Science Drugs of the Future (F453),
IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein
Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus
(File 302).

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File 1:ERIC 1966-2006/Sep
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Set Items Description

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Cost is in DialUnits

?

B 155, 5, 73
03oct06 13:39:32 User259876 Session D933.1
\$0.82 0.233 DialUnits File1
\$0.82 Estimated cost File1
\$0.05 INTERNET
\$0.87 Estimated cost this search
\$0.87 Estimated total session cost 0.233 DialUnits

SYSTEM:OS - DIALOG OneSearch
File 155: MEDLINE(R) 1950-2006/Oct 02
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File 5: Biosis Previews(R) 1969-2006/Sep W4

(c) 2006 The Thomson Corporation
File 73:EMBASE 1974-2006/Oct 02
(c) 2006 Elsevier B.V.

Set Items Description

?

S (DIACETYLCYSTINE) (S) (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
36 DIACETYLCYSTINE
7200 IMMUNOMODULATOR
70524 IMMUNOSUPPRESSANT
S1 0 (DIACETYLCYSTINE) (S) (IMMUNOMODULATOR OR
IMMUNOSUPPRESSANT)

?

S (DIACETYLCYSTINE) AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
36 DIACETYLCYSTINE
7200 IMMUNOMODULATOR
70524 IMMUNOSUPPRESSANT
S2 1 (DIACETYLCYSTINE) AND (IMMUNOMODULATOR OR
IMMUNOSUPPRESSANT)

?

T S2/3, K/ALL

2/3, K/1 (Item 1 from file: 155)
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

12308142 PMID: 10027856

N,N'-Diacetyl-L-cystine-the disulfide dimer of N-acetylcysteine-is a potent modulator of contact sensitivity/delayed type hypersensitivity reactions in rodents.

Sarnstrand B; Jansson A H; Matuseviciene G; Scheynius A; Pierrou S; Bergstrand H

Department of Pharmacology, Astra Draco AB, Lund, Sweden.

Journal of pharmacology and experimental therapeutics (UNITED STATES)
Mar 1999, 288 (3) p1174-84, ISSN 0022-3565--Print Journal Code:
0376362

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... BSA. Collectively, these data indicate that DiNAC in vivo acts as a potent and effective immunomodulator that can either enhance or reduce the CS or DTH response depending on the experimental...

Chemical Name: Adjuvants, Immunologic; Serum Albumin, Bovine; methylated bovine serum albumin; Oxazolone; Fluorescein-5-isothiocyanate; N,N-diacetylcystine ; Cystine; Acetylcysteine; Dinitrofluorobenzene

?

Set Items Description

S1 0 (DIACETYLCYSTINE) (S) (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)

S2 1 (DIACETYLCYSTINE) AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)

?
S (CORNEAL (W) EPITHELIUM) (S) (ALLOGRAFT OR TRANSPLANT OR TRANSPLANTATION)
114989 CORNEAL
373684 EPITHELIUM
88621 ALLOGRAFT
198813 TRANSPLANT
1560247 TRANSPLANTATION
S3 438 (CORNEAL (W) EPITHELIUM) (S) (ALLOGRAFT OR TRANSPLANT OR TRANSPLANTATION)

?

S S3 NOT PY>2000
438 S3
9331374 PY>2000
S4 164 S3 NOT PY>2000

?

RD
S5 80 RD (unique items)

?

S S5 AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
80 S5
7200 IMMUNOMODULATOR
70524 IMMUNOSUPPRESSANT
S6 0 S5 AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)

?

Set	Items	Description
S1	0	(DIACETYLCYSTINE) (S) (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
S2	1	(DIACETYLCYSTINE) AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
S3	438	(CORNEAL (W) EPITHELIUM) (S) (ALLOGRAFT OR TRANSPLANT OR TRANSPLANTATION)
S4	164	S3 NOT PY>2000
S5	80	RD (unique items)
S6	0	S5 AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)

?

S S5 AND (DELAYED (W) HYPERSENSITIVE (W) REACTION)
80 S5
409064 DELAYED
21137 HYPERSENSITIVE
2309043 REACTION
20 DELAYED (W) HYPERSENSITIVE (W) REACTION
S7 0 S5 AND (DELAYED (W) HYPERSENSITIVE (W) REACTION)

?

Set	Items	Description
S1	0	(DIACETYLCYSTINE) (S) (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
S2	1	(DIACETYLCYSTINE) AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
S3	438	(CORNEAL (W) EPITHELIUM) (S) (ALLOGRAFT OR TRANSPLANT OR TRANSPLANTATION)
S4	164	S3 NOT PY>2000

.. S5 80 RD (unique items)
 S6 0 S5 AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
 S7 0 S5 AND (DELAYED (W) HYPERSENSITIVE (W) REACTION)
 ?

S S5 AND (EYEDROP)
 80 S5
 785 EYEDROP
 S8 0 S5 AND (EYEDROP)
 ?

Set Items Description
 S1 0 (DIACETYLCYSTINE) (S) (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
 S2 1 (DIACETYLCYSTINE) AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
 S3 438 (CORNEAL (W) EPITHELIUM) (S) (ALLOGRAFT OR TRANSPLANT OR TRANSPLANTATION)
 S4 164 S3 NOT PY>2000
 S5 80 RD (unique items)
 S6 0 S5 AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
 S7 0 S5 AND (DELAYED (W) HYPERSENSITIVE (W) REACTION)
 S8 0 S5 AND (EYEDROP)
 ?

S S5 AND (HUMAN OR PATIENT)
 80 S5
 14451741 HUMAN
 3743794 PATIENT
 S9 43 S5 AND (HUMAN OR PATIENT)
 ?

S S9 AND (CORNEAL (W) EPITHELIUM (W) ALLOGRAFT)
 43 S9
 114989 CORNEAL
 373684 EPITHELIUM
 88621 ALLOGRAFT
 0 CORNEAL (W) EPITHELIUM (W) ALLOGRAFT
 S10 0 S9 AND (CORNEAL (W) EPITHELIUM (W) ALLOGRAFT)
 ?

Set Items Description
 S1 0 (DIACETYLCYSTINE) (S) (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
 S2 1 (DIACETYLCYSTINE) AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
 S3 438 (CORNEAL (W) EPITHELIUM) (S) (ALLOGRAFT OR TRANSPLANT OR TRANSPLANTATION)
 S4 164 S3 NOT PY>2000
 S5 80 RD (unique items)
 S6 0 S5 AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
 S7 0 S5 AND (DELAYED (W) HYPERSENSITIVE (W) REACTION)
 S8 0 S5 AND (EYEDROP)
 S9 43 S5 AND (HUMAN OR PATIENT)
 S10 0 S9 AND (CORNEAL (W) EPITHELIUM (W) ALLOGRAFT)
 ?

T S9/3, K/1-10

9/3,K/1 (Item 1 from file: 155)
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

13082951 PMID: 12579778
[Effect of amniotic membrane on expressions of TGF-beta 1, collagens I, III and fibronectin in rabbit corneal healing after photorefractive keratectomy]
Zhong Y; Zhai Z; Zhou Y; Ye W; Wang K
Ophthalmic Center, Ruijin Hospital, Shanghai Second Medical University, Shanghai 200025, China.
Yan ke xue bao = Eye science / "Yan ke xue bao" bian ji bu (China) Dec 2000, 16 (4) p239-42, 258, ISSN 1000-4432--Print Journal Code: 8605666
Publishing Model Print
Document type: Journal Article ; English Abstract
Languages: CHINESE
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... bilateral PRK to correct 8 diopters of myopia. One eye was randomly transplanted with *preserved human amniotic membrane, and the other eye served as the control. The expressions of TGF-beta...

... by immunohistochemistry at 4 weeks after operation. RESULTS: The expression of TGF-beta 1 in corneal epithelium and keratocytes and collagen in anterior stroma was significantly less in AMT group than in...

9/3,K/2 (Item 2 from file: 155)
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

12886884 PMID: 11017086
Macular corneal dystrophy type I and type II are caused by distinct mutations in a new sulphotransferase gene.
Akama T O; Nishida K; Nakayama J; Watanabe H; Ozaki K; Nakamura T; Dota A; Kawasaki S; Inoue Y; Maeda N; Yamamoto S; Fujiwara T; Thonar E J; Shimomura Y; Kinoshita S; Tanigami A; Fukuda M N
Glycobiology Program, The Burnham Institute, La Jolla, California, USA.
Nature genetics (UNITED STATES) Oct 2000, 26 (2) p237-41, ISSN 1061-4036--Print Journal Code: 9216904
Contract/Grant No.: AG04736; AG; NIA; AR39239; AR; NIAMS; CA71932; CA; NCI
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... type II, defined by the respective absence and presence of sulphated keratan sulphate in the patient serum, although both types have clinically indistinguishable phenotypes. The gene responsible for MCD type I...

... the upstream region of CHST6. In situ hybridization analysis did not detect CHST6 transcripts in corneal epithelium in an MCD type II patient, suggesting that the mutations found in type II lead to loss of cornea-specific expression...

Descriptors: *Chromosomes, Human, Pair 16; *Corneal Dystrophies,

Hereditary--genetics--GE; *Mutation; *Sulfotransferases--genetics--GE

9/3,K/3 (Item 3 from file: 155)
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

12807096 PMID: 10919901

Association of preoperative tear function with surgical outcome in severe Stevens-Johnson syndrome.

Shimazaki J; Shimmura S; Fujishima H; Tsubota K
Department of Ophthalmology, Tokyo Dental College, Chiba, Japan.
Ophthalmology (UNITED STATES) Aug 2000, 107 (8) p1518-23, ISSN
0161-6420--Print Journal Code: 7802443

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... nine eyes of patients with severe SJS associated with total conjunctivalization were examined. INTERVENTION: Preserved human amniotic membrane grafting and keratolimbal allograft transplantation was performed. Intensive immunosuppression and epithelial management were continued postoperatively. MAIN OUTCOME MEASURES: Successful ocular surface reconstruction was determined by epithelialization with corneal epithelium. The association between surgical outcome and preoperative tear function was studied. RESULTS: The ocular surface was successfully covered by corneal epithelium in 13 eyes (44.8%). The mean corrected visual acuity recovered from 0.0039 to...

9/3,K/4 (Item 4 from file: 155)
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

12764879 PMID: 10891515

Reconstruction of damaged corneas by transplantation of autologous limbal epithelial cells.

Tsai R J; Li L M; Chen J K
Department of Ophthalmology, Chang Gung Memorial Hospital, Taoyuan, Taiwan. raytsai@ms4.hinet.net

New England journal of medicine (UNITED STATES) Jul 13 2000, 343 (2) p86-93, ISSN 0028-4793--Print Journal Code: 0255562

Publishing Model Print; Comment in N Engl J Med. 2000 Jul 13;343(2) 136-8
; Comment in PMID 10891524

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... in all six eyes receiving transplants. By one month, the ocular surface was covered with corneal epithelium, and the clarity of the cornea was improved. In five of the six eyes receiving...

... 83 percent), the mean visual acuity improved from 20/112 to 20/45. In one patient with a chemical burn who had total opacification of the cornea, the acuity improved from the ability to count fingers at 40 cm to 20/200. No patient had recurrent neovascularization or inflammation in the transplanted area during the follow-up period. CONCLUSIONS:

Transplantation of autologous limbal epithelial cells cultured on amniotic membrane is a simple and effective method...

9/3,K/5 (Item 5 from file: 155)
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

12594190 PMID: 10646146
Epithelial ingrowth in a corneal graft treated by laser in situ keratomileusis: light and electron microscopy.
Wright J D; Neubaur C C; Stevens G
Medical College of Virginia, Richmond, USA.
Journal of cataract and refractive surgery (UNITED STATES) Jan 2000,
26 (1) p49-55, ISSN 0886-3350--Print Journal Code: 8604171
Publishing Model Print
Document type: Case Reports; Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

PURPOSE: To demonstrate progressive epithelial ingrowth histopathologically in a human cornea after laser in situ keratomileusis (LASIK) and review its pathophysiology. SETTING: Department of Ophthalmology...

... transmission electron microscopy. RESULTS: Epithelial ingrowth in the flap interface with connection to the surface corneal epithelium was evident on light microscopy. In areas without epithelial ingrowth, the flap interface was imperceptible...

9/3,K/6 (Item 6 from file: 155)
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

12587938 PMID: 10632011
Amniotic membrane as a substrate for cultivating limbal corneal epithelial cells for autologous transplantation in rabbits.
Koizumi N; Inatomi T; Quantock A J; Fullwood N J; Dota A; Kinoshita S
Department of Ophthalmology, Kyoto Prefectural University of Medicine, Japan. nkoizumi@eye.ophth.kpu-m.ac.jp
Cornea (UNITED STATES) Jan 2000, 19 (1) p65-71, ISSN 0277-3740--Print Journal Code: 8216186
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

PURPOSE: To examine the viability of using human amniotic membrane as substrate for culturing corneal epithelial cells and transplanting them onto severely injured...

... these animals, a small biopsy of corneal epithelial cells was taken and cultured on acellular human amniotic membrane. One month later, the invading conjunctiva that covered the corneal surface of all...
...alone. RESULTS: A confluent primary culture of limbal corneal epithelial cells was established on acellular human amniotic membrane after 14 days. Cells were partially stratified and fairly well attached to the...

... were all successfully epithelialized up to 5 days after surgery.
CONCLUSION: Autologous transplantation of cultivated corneal epithelium is feasible by using acellular amniotic membrane as a carrier.

9/3,K/7 (Item 7 from file: 155)
DIALOG(R)File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

12495321 PMID: 10442895
Multilayer amniotic membrane transplantation for reconstruction of deep corneal ulcers.
Kruse F E; Rohrschneider K; Volcker H E
Department of Ophthalmology, University of Heidelberg, Germany. Friedrich Kruse@ukl.uni-heidelberg.de
Ophthalmology (UNITED STATES) Aug 1999, 106 (8) p1504-10; discussion 1511, ISSN 0161-6420--Print Journal Code: 7802443
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

PURPOSE: To evaluate the efficacy of multilayer amniotic membrane transplantation for reconstruction of corneal epithelium and stroma in the context of deep corneal ulcers. DESIGN: Prospective, noncomparative, interventional case series...

... had herpetic keratitis and five had other forms of neurotrophic keratitis. INTERVENTION: Multilayer amniotic membrane transplantation with kryopreserved human amniotic membrane. MAIN OUTCOME MEASURES: Integrity of corneal epithelium and stroma, opacification, and appearance of grafted membrane during 12 months follow-up. RESULTS: Amniotic membrane transplantation markedly reduced ocular inflammation in all patients. Epithelium healed above all corneal ulcers within 4...

... for 1 year. Two patients with recurrent epithelial defect suffered from severe neurotrophic keratitis. Following transplantation the amniotic membranes gradually dissolved over a period of 12 months, but stromal thickness remained stable. CONCLUSION: Amniotic membrane transplantation allows corneal surface reconstruction in patients with persistent epithelial defects. The multilayer technique is useful...

9/3,K/8 (Item 8 from file: 155)
DIALOG(R)File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

12477448 PMID: 10420179
Human corneal epithelial cell adhesion to laminins.
Kurpakus M A; Daneshvar C; Davenport J; Kim A
Wayne State University School of Medicine Department of Anatomy and Cell Biology USA Michigan, Detroit, MI 48201, USA. mkurpaku@med.wayne.edu
Current eye research (ENGLAND) Aug 1999, 19 (2) p106-14, ISSN 0271-3683--Print Journal Code: 8104312
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM

Record type: MEDLINE; Completed

Human corneal epithelial cell adhesion to laminins.

PURPOSE. To analyze alpha-integrin mediated adhesion of human corneal epithelial cells to placental and EHS laminin isoforms. METHODS. Western blot analysis was used...

... partially characterize commercially available preparations of laminin isolated from the mouse EHS sarcoma and from human placenta. Using the human corneal epithelial cell line HCE-T, adhesion to laminin isoforms and fibronectin was determined using...

... integrin does not appear to mediate adhesion to either substrate. CONCLUSIONS. These studies demonstrate that human corneal epithelial cells are capable of rapid adhesion to, and enhanced spreading on, laminin isoforms not characteristically resident in the adult corneal basement membrane. This characteristic of human corneal epithelium may explain, at least in part, why amniotic membrane transplantation is proving to be clinically useful for human ocular surface reconstruction.

9/3,K/9 (Item 9 from file: 155)

DIALOG(R)File 155: MEDLINE(R)

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12357279 PMID: 10201609

Limbal allografting from related live donors for corneal surface reconstruction.

Rao S K; Rajagopal R; Sitalakshmi G; Padmanabhan P
Cornea Service, Sankara Nethralaya, Medical Research Foundation, Chennai, India.

Ophthalmology (UNITED STATES) Apr 1999, 106 (4) p822-8, ISSN 0161-6420--Print Journal Code: 7802443

Publishing Model Print; Comment in Ophthalmology. 2000 Mar;107(3) 411-2; Comment in PMID 10711872

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

OBJECTIVE: To report the results of limbal allograft transplantation, from human leukocyte antigen (HLA)-matched and -unmatched related live donors, in patients with ocular surface disease...

...improvement in visual acuity. RESULTS: With a mean observation period of 17.2 months, phenotypically corneal epithelium, decreased vascularization of the corneal surface, and improved ocular comfort were seen in seven (77...).

... graft rejection developed in three (42.9%) of these seven eyes. In two eyes, limbal transplantation from HLA-unmatched donors failed to reconstitute the corneal surface. Limbal allograft transplantation resulted in visual acuity of 20/400 or greater in only two (22.2%) eyes at last follow-up. Corneal grafts performed 7 and 16 months after successful limbal transplantation in two eyes developed recurrent epithelial breakdown and superficial corneal scarring. None of the donor eyes in this study had any complication. CONCLUSION: Transplantation of limbal tissue from related live donors successfully reconstructs the corneal surface in HLA-matched...

9/3, K/10 (Item 10 from file: 155)
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

12229750 PMID: 10703147

Cultured corneal epithelia for ocular surface disease.

Schwab I R
Department of Ophthalmology, University of California, Medical School,
Davis, USA.

Transactions of the American Ophthalmological Society (UNITED STATES)
1999, 97 p891-986, ISSN 0065-9533--Print Journal Code: 7506106

Publishing Model Print

Document type: Case Reports; Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... corneal epithelial stem cells cultured in vitro for the management of ocular surface disease. METHODS: Human Subjects. Of the 19 human subjects included, 18 (20 procedures) underwent in vitro cultured corneal epithelial cell transplants using various...

... 1 procedure each) received allogeneic sibling grafts. The presumed corneal epithelial stem cells from 1 patient did not grow in vitro. The carriers for the expanded corneal epithelial cells included corneal...

... a standard manner followed by the application of a contact lens. At 16 days following transplantation, 5 of the rabbits were sacrificed and the corneal rims were removed for histologic study...

... were sacrificed and the previously damaged eyes were harvested for histologic and immunohistochemical study. RESULTS: Human subjects. Of the 19 total patients admitted to the study, the presumed corneal epithelial stem cells of 1 patient did not grow in vitro. Of the remaining 18 patients (20 procedures, 19 eyes), 3 patients had unsuccessful results (3 autologous procedures), 1 patient had a partially successful procedure (allogeneic procedure), and 1 patient had a procedure with an undetermined result at present (allogeneic procedure). One unsuccessful patient had entropion/trichiasis and mechanically removed the graft and eventually went into phthisis. The other...

... of autologous donor epithelium and recurrence of the ocular surface disease (pterygium). The partially successful patient receiving an allogeneic transplant had infectious keratitis delay of his re-epithelialization; he has only minimal visual improvement but has re-epithelialized. The patient receiving the second allogeneic graft lost his donor epithelium at day 4. Additional donor epithelium...
?

Set	Items	Description
S1	0	(DIACETYLCYSTINE) (S) (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
S2	1	(DIACETYLCYSTINE) AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
S3	438	(CORNEAL (W) EPITHELIUM) (S) (ALLOGRAFT OR TRANSPLANT OR TRANSPLANTATION)
S4	164	S3 NOT PY>2000
S5	80	RD (unique items)
S6	0	S5 AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)

S7 0 S5 AND (DELAYED (W) HYPERSENSITIVE (W) REACTION)
 S8 0 S5 AND (EYEDROP)
 S9 43 S5 AND (HUMAN OR PATIENT)
 S10 0 S9 AND (CORNEAL (W) EPITHELIUM (W) ALLOGRAFT)
 ?

S (CORNEAL (W) EPITHELIUM (W) ALLOGRAFT)
 114989 CORNEAL
 373684 EPITHELIUM
 88621 ALLOGRAFT
 S11 0 (CORNEAL (W) EPITHELIUM (W) ALLOGRAFT)
 ?

Set Items Description
 S1 0 (DIACETYLCYSTINE) (S) (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
 S2 1 (DIACETYLCYSTINE) AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
 S3 438 (CORNEAL (W) EPITHELIUM) (S) (ALLOGRAFT OR TRANSPLANT OR TRANSPLANTATION)
 S4 164 S3 NOT PY>2000
 S5 80 RD (unique items)
 S6 0 S5 AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
 S7 0 S5 AND (DELAYED (W) HYPERSENSITIVE (W) REACTION)
 S8 0 S5 AND (EYEDROP)
 S9 43 S5 AND (HUMAN OR PATIENT)
 S10 0 S9 AND (CORNEAL (W) EPITHELIUM (W) ALLOGRAFT)
 S11 0 (CORNEAL (W) EPITHELIUM (W) ALLOGRAFT)
 ?

T S9/3,K/11-43

9/3,K/11 (Item 11 from file: 155)
 DIALOG(R)File 155:MEDLINE(R)
 (c) format only 2006 Dialog. All rts. reserv.

12221269 PMID: 10672879
Ocular surface management in corneal transplantation, a review.
 Tsubota K
 Department of Ophthalmology, Tokyo Dental College, Chiba, Japan.
 Japanese journal of ophthalmology (UNITED STATES) Nov-Dec 1999, 43
 (6) p502-8, ISSN 0021-5155--Print Journal Code: 0044652
 Publishing Model Print
 Document type: Case Reports; Journal Article; Review
 Languages: ENGLISH
 Main Citation Owner: NLM
 Record type: MEDLINE; Completed

... importance of ocular surface management in corneal transplantation, especially in limbal transplantation. METHODS: Since the corneal epithelium is not completely recovered after corneal transplantation, meticulous attention should be paid to the ocular surface to prevent infection and rejection, which are the major causes of corneal transplantation failure. Preoperative evaluations of the ocular surface should be carried out, followed by appropriate surgical procedures, depending on the condition of each patient. Vigorous immunosuppressive measures should be taken after surgery. RESULTS: In both case reports presented in this study, each patient underwent successful surgery and his condition was controlled by medication suited to his needs.

CONCLUSIONS: For those patients with stem cell deficiency, limbal transplantation, possibly with the use of autologous serum drops, should be considered to reconstruct and maintain the ocular surface. Ocular surface management is necessary for the success of corneal transplantation, especially for limbal transplantation.

9/3,K/12 (Item 12 from file: 155)
DIALOG(R)File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

11837164 PMID: 9663855

Expression of blood group antigens A and/or B in diseased corneas.

Ardjomand N; Reich M E; Radner H
University Eye Clinic, Karl-Franzens-University, Graz, Austria.
navid.ardjomand@kfunigraz.ac.at
Current eye research (ENGLAND) Jun 1998, 17 (6) p650-5, ISSN
0271-3683--Print Journal Code: 8104312
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... patients were examined. Immunohistochemical staining of paraffin-embedded sections was performed with monoclonal mouse anti human blood groups A and B antibodies using the Streptavidin-Biotin-peroxidase complex technique (LSAB Kit...).

... in diseased corneas. This phenomenon might play an important role in graft rejection after corneal transplantation.

9/3,K/13 (Item 13 from file: 155)
DIALOG(R)File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

11559298 PMID: 9400767

Amniotic membrane transplantation for ocular surface reconstruction in patients with chemical and thermal burns.

Shimazaki J; Yang H Y; Tsubota K
Department of Ophthalmology, Tokyo Dental College, Chiba, Japan.
Ophthalmology (UNITED STATES) Dec 1997, 104 (12) p2068-76, ISSN
0161-6420--Print Journal Code: 7802443
Publishing Model Print; Comment in Ophthalmology. 2000 Mar;107(3) 411-2;
Comment in PMID 10711872
Document type: Case Reports; Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

OBJECTIVE: The purpose of the study is to examine the usefulness of preserved human amniotic membrane transplantation in patients with chemical and thermal burns. DESIGN: The study design was...

... visual acuity were measured. RESULTS: With the mean observation period of 53.3 weeks, central corneal epithelium was reconstructed successfully in all eyes. Neither amniotic membrane nor limbal grafts were rejected. A...

... epithelial defect developed in one eye, which was treated successfully by tarsorrhaphy. After surgery, the corneal epithelium showed normal arrangements on specular microscopy, and its barrier function recovered to seminormal. Corrected visual...

...were stable and central cornea was clear, no further surgery was needed. CONCLUSIONS: Amniotic membrane transplantation promotes normal conjunctival epithelialization while suppressing fibrosis formation. The procedure, especially when performed with limbal autograft transplantation, appears to be effective for the treatment of chemical or thermal burns of the ocular...

9/3,K/14 (Item 14 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

11299718 PMID: 9100626

Long-term restoration of damaged corneal surfaces with autologous cultivated corneal epithelium.

Pellegrini G; Traverso C E; Franzi A T; Zingirian M; Cancedda R; De Luca M

Istituto Dermopatico dell'Immacolata, Roma, Italy.

Lancet (ENGLAND) Apr 5 1997, 349 (9057) p990-3, ISSN 0140-6736--
Print Journal Code: 2985213R

Publishing Model Print; Comment in Lancet. 1997 May 24;349(9064) 1556;
Comment in PMID 9167491

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... eye, and is not possible for bilateral lesions. We investigated the possibility of restoring the human corneal surface with autologous corneal epithelial sheets generated by serial cultivation of limbal cells. METHODS...

... cells are localised in the limbus, that cultured limbal cells generate cohesive sheets of authentic corneal epithelium, and that autologous cultured corneal epithelium restored the corneal surface of two patients with complete loss of the corneal-limbus epithelium. Long-term follow-up showed the stability of regenerated corneal epithelium and the striking improvement in patients' comfort and visual acuity. INTERPRETATION: The cultivation of corneal epithelium might offer an alternative to patients with unilateral lesions and a therapeutic chance to patients...

9/3,K/15 (Item 15 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

10999731 PMID: 8817292

Alpha/beta- and gamma/delta-T-cell-receptor-positive lymphocytes in healthy and inflamed human conjunctiva.

Bialasiewicz A A; Schaudig U; Ma J X; Vieth S; Richard G
University Eye Hospital Eppendorf, Hamburg, Germany.

Graefe's archive for clinical and experimental ophthalmology = Albrecht von Graefes Archiv fur klinische und experimentelle Ophthalmologie (GERMANY)
Jul 1996, 234 (7) p467-71, ISSN 0721-832X--Print Journal Code:

8205248

Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Alpha/beta- and gamma/delta-T-cell-receptor-positive lymphocytes in healthy and inflamed human conjunctiva.

...the corneal epithelium and stroma of patients who have failing corneal grafts. After ileal mucosa transplantation to the epibulbar conjunctiva, membrane staining changes to nuclear and cytoplasmic staining. Treatment with systemic...

...and inflamed (OCP, lye burns, and Stevens-Johnson syndrome) conjunctiva, as well as in the corneal epithelium and stroma of failing corneal grafts, whereas gamma/delta-TCR+ cells are absent. A small...

... corneal stroma and adjacent conjunctival epithelium of patients with chronic corneal graft rejection or after transplantation of gut tissue. Further investigations may establish the role, if any, of these T-cell...

9/3,K/16 (Item 16 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

(c) format only 2006 Dialog. All rts. reserv.

10620311 PMID: 8536460

Transplantation of preserved human amniotic membrane for surface reconstruction in severely damaged rabbit corneas.

Kim J C; Tseng S C
Department of Ophthalmology, Bascom Palmer Eye Institute, University of Miami School of Medicine, Florida 33101, USA.

Cornea (UNITED STATES) Sep 1995, 14 (5) p473-84, ISSN 0277-3740--
Print Journal Code: 8216186

Contract/Grant No.: EY06810; EY; NEI

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Transplantation of preserved human amniotic membrane for surface reconstruction in severely damaged rabbit corneas.

... month later, 10 control eyes received a total keratectomy, and 13 experimental eyes received additional transplantation of glycerin-preserved human amniotic membrane. In 3 months of follow-up, all control corneas were revascularized to the...

9/3,K/17 (Item 17 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

(c) format only 2006 Dialog. All rts. reserv.

10581035 PMID: 7674551

The effects on inhibition of corneal neovascularization after human amniotic membrane transplantation in severely damaged rabbit corneas.

Kim J C; Tseng S C
Department of Ophthalmology, Chung-Ang University Hospital, Seoul, Korea.
Korean journal of ophthalmology - KJO (KOREA) Jun 1995, 9 (1) p32-46
ISSN 1011-8942--Print Journal Code: 8804513

Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

The effects on inhibition of corneal neovascularization after human amniotic membrane transplantation in severely damaged rabbit corneas.

Human amniotic membrane isolated from the placenta contained basement membrane components such as type IV collagen...

... eyes then received a total keratectomy, and 13 experimental eyes received an additional amniotic membrane transplantation. Three-month follow-ups revealed that all control corneas were revascularized to the center with...

9/3,K/18 (Item 18 from file: 155)
DIALOG(R)File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

10064402 PMID: 8201168

Review of the risk of HIV infection through corneal transplantation in the United States.

Caron M J; Wilson R

New England College of Optometry, Boston, MA 02115.

Journal of the American Optometric Association (UNITED STATES) Mar 1994
65 (3) p173-8, ISSN 0003-0244--Print Journal Code: 7505575

Publishing Model Print

Document type: Journal Article; Review

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

BACKGROUND: Human immunodeficiency virus (HIV), the pathogen that causes acquired immunodeficiency syndrome (AIDS), has been isolated in...

...HIV-positive patients. This observation raises concern about the risk of HIV transmission through corneal transplantation surgery (penetrating keratoplasty). **METHODS:** A comprehensive review of the literature of the ocular transmission of...

... conducted and analyzed to review and interpret the relative risk of HIV infection through corneal transplantation. **RESULTS:** No cases of HIV transmission were found as a result of routine eye care...

... donors for HIV infection affords an important increase in the margin of safety for corneal transplantation recipients.

9/3,K/19 (Item 19 from file: 155)
DIALOG(R)File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

09988630 PMID: 8112997

Basement membrane synthesis by human corneal epithelial cells in vitro.

Ohji M; SundarRaj N; Hassell J R; Thoft R A

Department of Ophthalmology, University of Pittsburgh, PA 15213.

Investigative ophthalmology & visual science (UNITED STATES) Feb 1994,

35 (2) p479-85, ISSN 0146-0404--Print Journal Code: 7703701

Contract/Grant No.: EY03263; EY; NEI; EY06185; EY; NEI; EY08098; EY; NEI

Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Basement membrane synthesis by human corneal epithelial cells in vitro.

... gels in comparison with corneal stromal blocks as the substrate to support the growth of human corneal epithelial cells in culture and the synthesis and deposition of the basement membrane components...

...sulfate proteoglycan) were evaluated immunohistochemically after 4 days, 7 days, 2 weeks, and 3 weeks. Human limbal explant cultures were established on collagen gels prepared from bovine type I collagen with or without addition of cultured human corneal fibroblasts. After 1, 2, 3, and 4 weeks, the deposition of the basement membrane...

... type VII collagen were detectable on the collagen gels, either with or without fibroblasts. CONCLUSION. Human corneal epithelium cultured on collagen gels or on corneal stromal blocks can synthesize and deposit basement membrane...

... perlecan within 2 weeks in culture. Therefore, collagen gels may serve as potential carriers for human corneal epithelial transplantation .

9/3,K/20 (Item 20 from file: 155)
DIALOG(R)File 155: MEDLINE (R)
(c) format only 2006 Dialog. All rts. reserv.

09752913 PMID: 8397319
[Ophthalmologic findings in graft versus host disease (GvHD)]
Ophthalmologische Befunde bei Graft versus Host Disease (GvHD).
Kasemann B; Ruprecht K W
Augenklinik und Poliklinik, Universitat des Saarlandes.
Klinische Monatsblatter fur Augenheilkunde (GERMANY) Jun 1993, 202
(6) p491-9, ISSN 0023-2165--Print Journal Code: 0014133
Publishing Model Print
Document type: Case Reports; Journal Article ; English Abstract
Languages: GERMAN
Main Citation Owner: NLM
Record type: MEDLINE; Completed

...of the malignant leukaemic disease. Therefore, new therapeutic regimen are now performed which keep the patient on a low level of GvHD to prevent a recurrence of leukaemia. Here a close...

... be classified into 4 stages: injection/exudation and chemosis/formation of pseudomembranes/defects of the corneal epithelium . These stages correlate directly to the prognosis of the survival time of the patient . A pathognomonic sign for the chronic GvHD of the conjunctiva are the fibrous-scarry Arlt-lines of the tarsal conjunctiva. CONCLUSIONS: All patients who underwent a bone marrow transplantation for leukaemia need to be followed up closely to estimate the level of GvHD they...

...; Chronic--immunology--IM; Opportunistic Infections--diagnosis--DI; Opportunistic Infections--immunology--IM; Opportunistic Infections --therapy--TH; Patient Care Team; Retinitis--immunology--IM; Retinitis --therapy--TH; Sjogren's Syndrome--diagnosis--DI; Sjogren's...

9/3,K/21 (Item 21 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

09711014 PMID: 8344790

In vitro propagation of human ocular surface epithelial cells for transplantation.

Lindberg K; Brown M E; Chaves H V; Kenyon K R; Rheinwald J G
Department of Research and Development, BioSurface Technology, Inc.,
Cambridge, Massachusetts 02139.

Investigative ophthalmology & visual science (UNITED STATES) Aug 1993,

34 (9) p2672-9, ISSN 0146-0404--Print Journal Code: 7703701

Contract/Grant No.: EY05799; EY; NEI

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

In vitro propagation of human ocular surface epithelial cells for transplantation.

... proliferative capacity of epithelial cells cultured from the conjunctiva, limbus, and central cornea of normal human eyes was compared. Single cells disaggregated from approximately 1 mm² biopsy specimens were serially cocultured...

... and indicate that cultured autologous limbal cells may function as grafts to permanently restore the corneal epithelium after severe ocular surface injury.

9/3,K/22 (Item 22 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2006 Dialog. All rts. reserv.

08707691 PMID: 2081843

[HLA antigenicity of normal and pathological corneas]

Antigenicite HLA des cornees humaines normales et pathologiques.

Delbosc B; Fellmann D; Piquot X; Montard M; Royer J

Clinique ophtalmologique, CHU Jean-Minjoz, Besancon.

Journal francais d'ophtalmologie (FRANCE) 1990, 13 (11-12) p535-41,
ISSN 0181-5512--Print Journal Code: 7804128

Publishing Model Print

Document type: Journal Article ; English Abstract

Languages: FRENCH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Fresh human corneas and corneal buttons were studied for expression of HLA antigens. Using monoclonal antibodies in...

...class I (HLA-A, B, C) and class II (HLA-DR) histocompatibility antigens. Twenty-one human corneas were studied, 6 normal and 15 pathological: 4 buttons of allograft rejection, 9 buttons...

... pseudophakic bullous keratopathy. In fresh control corneas, HLA-A, B, C antigens were localized on corneal epithelium and on stromal keratocytes but were never found on endothelial cells. HLA-DR antigens were not detected on corneal epithelium, stroma or endothelium but were detected on Langerhans cells within epithelium and anterior stroma. At...

...This study and others have demonstrated the ability of modulation of HLA antigen expression on human corneal cells in vivo.

9/3,K/23 (Item 23 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

08361571 PMID: 2404663
Corneal growth factors: a new generation of ophthalmic pharmaceuticals.
Tripathi B J; Kwait P S; Tripathi R C
Department of Ophthalmology and Visual Science, University of Chicago, IL 60637.
Cornea (UNITED STATES) Jan 1990, 9 (1) p2-9, ISSN 0277-3740--Print
Journal Code: 8216186
Publishing Model Print
Document type: Journal Article; Review
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... in aging and diseased corneas, as well as in donor corneas to be used for transplantation . Several parameters require evaluation, e.g. the dose, concentration, combination and formulation, exposure time, receptor affinity, and tissue interdependence of the growth factor(s), as well as the variability in patient response and severity of disease and/or injury. Investigations are also needed for the development...

9/3,K/24 (Item 24 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

07318633 PMID: 3551896
Langerhans cells in organ-cultured corneas.
Holland E J; DeRuyter D N; Doughman D J
Archives of ophthalmology (UNITED STATES) Apr 1987, 105 (4) p542-5,
ISSN 0003-9950--Print Journal Code: 7706534
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... corneal preservation in organ culture at 34 degrees C on Langerhans cells in murine and human corneas. The presence of Langerhans cells was demonstrated by an adenosine triphosphatase stain. Langerhans cells...

... organ culture at 34 degrees C do not contain Langerhans cells at the time of transplantation .

9/3,K/25 (Item 25 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

06952038 PMID: 3004224
Isolation of the human T-cell leukemia/lymphotropic virus type III from the cornea.
Salahuddin S Z; Palestine A G; Heck E; Ablashi D; Luckenbach M; McCulley

J P; Nussenblatt R B
American journal of ophthalmology (UNITED STATES) Feb 15 1986, 101
(2) p149-52, ISSN 0002-9394--Print Journal Code: 0370500
Publishing Model Print
Document type: Case Reports; Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Isolation of the human T-cell leukemia/lymphotropic virus type III from the cornea.

... signs of the acquired immune deficiency syndrome (AIDS) was cultured for the presence of the human T-cell leukemia/lymphotropic virus type III (HTLV-III). The virus was isolated from the two corneal specimens in this patient after the tissue had been stored for four days in McCarey-Kaufman medium. The presence...

... 2% and 3%. These findings emphasize the possibility of transmission of this virus via corneal transplantation surgery. Although no documented cases of AIDS have occurred in corneal transplant recipients, serologic screening of donors before the use of the tissue for transplantation is advisable.

9/3,K/26 (Item 26 from file: 155)
DIALOG(R)File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

06950995 PMID: 3456178
The expression of major histocompatibility complex and leukocyte antigens by cells in the rat cornea.
Treseler P A; Sanfilippo F
Transplantation (UNITED STATES) Feb 1986, 41 (2) p248-52, ISSN 0041-1337--Print Journal Code: 0132144
Contract/Grant No.: 5-T32GM07171; GM; NIGMS
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... leukocytes rat corneal grafts may contain. Thus the relevance of rat corneal transplantation to the human situation is unclear. We examined the expression of antigens of the histocompatibility complex (MHC) of...

... I MHC antigens were found in fairly uniform association with most cells of the rat corneal epithelium, endothelium, and stroma. In contrast, class II MHC antigens were not associated with most corneal...
... leukocyte antigens by cells in the rat cornea is similar to that reported in the human, indicating that the rat may indeed provide a good model of human corneal transplantation.

9/3,K/27 (Item 27 from file: 155)
DIALOG(R)File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

06934157 PMID: 3916388
Expression of ABO blood group, hematopoietic, and other cell-specific antigens by cells in the human cornea.
Treseler P A; Foulks G N; Sanfilippo F

Cornea (UNITED STATES) 4 (3) p157-68, ISSN 0277-3740--Print
Journal Code: 8216186
Contract/Grant No.: 5-T32GM0717; GM; NIGMS; EY-03819; EY; NEI
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Expression of ABO blood group, hematopoietic, and other cell-specific antigens by cells in the human cornea.

... the expression of ABO blood group (ABH) antigens (which may act as transplantation antigens) in human cornea, we examined the expression of these antigens in a panel of normal corneas using a highly sensitive avidin-biotin complex immunoperoxidase technique. ABH antigens were expressed by the corneal epithelium from all donors in a pattern consistent with their red blood cell phenotype, but were...
... stromal, and epithelial cells. These findings cast new light on the antigens involved in corneal allograft reactions and the immunologic nature of some constituent corneal cells.

9/3,K/28 (Item 28 from file: 155)
DIALOG(R)File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

06872145 PMID: 3909034
Detection of HLA class I and II antigens in rejected human corneal allografts.
Pepose J S; Gardner K M; Nestor M S; Foos R Y; Pettit T H
Ophthalmology (UNITED STATES) Nov 1985, 92 (11) p1480-4, ISSN
0161-6420--Print Journal Code: 7802443
Contract/Grant No.: EY 00331; EY; NEI; EY 00725; EY; NEI
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Detection of HLA class I and II antigens in rejected human corneal allografts.

... the distribution of HLA-ABC (class I) and HLA-DR (class II) antigens on fresh human donor corneal tissue, donor corneas following a 72-hour storage in McCarey-Kaufman (M-K...).

... express detectable HLA antigens. HLA-DR positive Langerhan's cells were demonstrated in the central corneal epithelium of rejected allografts, as well as in herpetic corneas, but not in control corneas except at the limbus. Based upon these observations, a theory of corneal allograft rejection in humans is proposed based upon the induction of class I HLA-ABC and...

9/3,K/29 (Item 29 from file: 155)
DIALOG(R)File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

06625522 PMID: 3970116
Treatment of corneal opacification in mucolipidosis IV with conjunctival transplantation.

Dangel M E; Bremer D L; Rogers G L
American journal of ophthalmology (UNITED STATES) Feb 15 1985, 99 (2)
p137-41, ISSN 0002-9394--Print Journal Code: 0370500
Publishing Model Print
Document type: Case Reports; Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... been noted that epithelial removal results in corneal clarity. We treated a 28-month-old patient with mucolipidosis IV with conjunctival transplantation with donor conjunctiva from an unaffected sibling. Improved corneal clarity resulted and has persisted with...

9/3,K/30 (Item 30 from file: 155)
DIALOG(R)File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

06605063 PMID: 6399228
Histology of human conjunctival transplantation.
Geggel H S; Thoft R A; Friend J
Cornea (UNITED STATES) 1984, 3 (1) p11-5, ISSN 0277-3740--Print
Journal Code: 8216186
Contract/Grant No.: F32 EY 05626; EY; NEI; RO1 EY 01830; EY; NEI; RO1 EY 04205; EY; NEI
Publishing Model Print
Document type: Case Reports; Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Histology of human conjunctival transplantation.
... with numerous goblet cells and 3-4 cell layers of nonkeratinized, stratified epithelium. In one patient, a definite "transition zone" from conjunctival to corneal appearing epithelium was seen in an area...

... minimal inflammation and vascularization, again confirming the animal results showing that transdifferentiation of conjunctival to corneal epithelium can occur.

9/3,K/31 (Item 31 from file: 155)
DIALOG(R)File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

06089935 PMID: 6344291
Corneal allograft rejection. The role of the major histocompatibility complex.
Braude L S; Chandler J W
Survey of ophthalmology (UNITED STATES) Mar-Apr 1983, 27 (5)
p290-305, ISSN 0039-6257--Print Journal Code: 0404551
Contract/Grant No.: EY-02673; EY; NEI
Publishing Model Print
Document type: Journal Article; Review
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

...in humans is believed to play an integral part in allograft rejection.

Langerhans cells in human corneal epithelium have been shown to bear this antigen. Evidence suggests that these cells or similar HLA-DR-bearing cells in the cornea play a major role in corneal allograft rejection. In light of these advances in transplantation immunobiology, new methods of suppressing and possibly preventing allograft rejection in corneal transplantation are presented.

9/3,K/32 (Item 32 from file: 155)
DIALOG(R)File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

05870964 PMID: 7122041
In vivo specular microscopy of edematous human corneal epithelium with light and scanning electron microscopic correlation.
Lohman L E; Rao G N; Tripathi R C; Tripathi B J; Aquavella J V
Ophthalmology (UNITED STATES) Jun 1982, 89 (6) p621-9, ISSN
0161-6420--Print Journal Code: 7802443
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

In vivo specular microscopy of edematous human corneal epithelium with light and scanning electron microscopic correlation.
... epithelium in 35 eyes with chronic corneal edema. Seven of the patients subsequently underwent corneal transplantation allowing for correlation of the in vivo findings with the light and electron microscopic appearance...

9/3,K/33 (Item 33 from file: 155)
DIALOG(R)File 155: MEDLINE(R)
(c) format only 2006 Dialog. All rts. reserv.

05804478 PMID: 6806927
Ocular pathology of Fabry's disease in a hemizygous male following renal transplantation.
Riegel E M; Pokorny K S; Friedman A H; Suhar J; Ritch R H; Desnick R J
Survey of ophthalmology (UNITED STATES) Mar-Apr 1982, 26 (5) p247-52
ISSN 0039-6257--Print Journal Code: 0404551
Publishing Model Print
Document type: Case Reports; Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... male with Fabry's disease after renal transplantation is reported. The ocular pathology in this patient was essentially identical to that which has previously been reported for both hemizygotes and heterozygotes...

... of the vessel walls were preferentially involved. Iris pigment epithelium was affected as were the corneal epithelium cells. Reduplication of the basement membrane was seen on electron microscopy. Retinal ganglion cells were...

9/3,K/34 (Item 34 from file: 155)
DIALOG(R)File 155: MEDLINE(R)

(c) format only 2006 Dialog. All rts. reserv.

05083500 PMID: 116673

Immunological activity to different corneal antigens in patients with corneal diseases.

Brinkman C J; Treffers W F; Broekhuyse R M

British journal of ophthalmology (ENGLAND) Oct 1979, 63 (10) p704-9,

ISSN 0007-1161--Print Journal Code: 0421041

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... to establish sensitisation to corneal antigens. The presence of lymphocytes sensitised to the soluble from human corneas, bovine corneal epithelium, and bovine corneal stroma, which all possess common antigenicity, could be...

... of all patients. In none of these patients could a positive plasma antibody titre to human corneal antigens be detected. The results suggest the dominance of T-lymphocyte activity. No correlation was found between the degree of corneal vascularisation and the presence of sensitised lymphocytes to human corneal antigens. Arrangement of the patients according to diagnosis showed that especially those suffering from herpes simplex virus keratitis reacted positively to human corneal antigens. A possible explanation is given. Lymphocytes of controls showed no or only very low stimulation with the soluble fractions of human corneas or bovine corneal stromas. The soluble fraction of bovine corneal epithelium stimulated the lymphocytes of 6 out of 19 controls. The elimination of the donor corneal epithelium before transplantation may be beneficial in view of the involvement of histocompatibility antigens.

9/3,K/35 (Item 35 from file: 155)

DIALOG(R)File 155: MEDLINE(R)

(c) format only 2006 Dialog. All rts. reserv.

04171678 PMID: 772231

Pseudomonas ulceration of the cornea following major total body burn: a clinical study.

Mitchell W H; Parson B J; Weiner L J

Journal of trauma (UNITED STATES) Apr 1976, 16 (4) p317-9, ISSN

0022-5282--Print Journal Code: 0376373

Publishing Model Print

Document type: Case Reports; Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... of corneal abrasions and the danger of subsequent Pseudomonas infection during convalescence of the postburn patient. Once the corneal epithelium is damaged, ulceration rapidly occurs and when infected with Pseudomonas aeruginosa presents one of the most difficult ophthalmologic situations. The convalescent burn patient is in jeopardy of corneal abrasion during general anesthesia for grafting or debridement. Neither of ...

... be corrected by expeditious lid tarsorrhaphy. Once ulceration has occurred, as with these patients, corneal transplantation may be

indicated.

9/3,K/36 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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0005912750 BIOSIS NO.: 198835009855
EVALUATION OF CULTURED CORNEAL EPITHELIUM FOR TRANSPLANTATION
AUTHOR: GYURGYIK L S (Reprint); ROAT M I; THOFT R A
AUTHOR ADDRESS: EYE EAR INST, UNIV PITTSBURGH, PITTSBURGH, PA, USA**USA
JOURNAL: Investigative Ophthalmology and Visual Science 29 (ABSTR. ISSUE):
p194 1988
CONFERENCE/MEETING: ANNUAL SPRING MEETING OF THE ASSOCIATION FOR RESEARCH
IN VISION AND OPHTHALMOLOGY, SARASOTA, FLORIDA, USA, MAY 1-6, 1988. INVEST
OPHTHALMOL VISUAL SCI.
ISSN: 0146-0404
DOCUMENT TYPE: Meeting
RECORD TYPE: Citation
LANGUAGE: ENGLISH

EVALUATION OF CULTURED CORNEAL EPITHELIUM FOR TRANSPLANTATION
DESCRIPTORS: ABSTRACT HUMAN PRIMARY OUTGROWTH SHEET FIRST PASSAGE SHEET

9/3,K/37 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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0005198197 BIOSIS NO.: 198682044584
**AUTOIMMUNITY AGAINST CORNEAL ANTIGENS I. ISOLATION OF A SOLUBLE
54-KILODALTON CORNEAL EPITHELIUM ANTIGEN**
AUTHOR: KRUIT P J (Reprint); VAN DER GAAG R; BROERSMA L; KIJLSTRA A
AUTHOR ADDRESS: THE NETHERLANDS OPHTHALMIC RESEARCH INSTITUTE, DEPT OF
OPHTHALMO-IMMUNOLOGY, PO BOX 12141, 1100 AC AMSTERDAM, THE NETHERLANDS**
NETHERLANDS
JOURNAL: Current Eye Research 5 (4): p313-320 1986
ISSN: 0271-3683
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

...ABSTRACT: response is directed against common non-species specific
corneal epithelium antigens. The serum of a patient with corneal
melting disease, containing a high antibody titer against corneal
epithelium was used to...

...the major protein present in the corneal epithelium. Absorption studies
with other tissues taken from human eyes showed that cornea epithelium,
cornea devoid of epithelium, ciliary body and retina contained material
...

...of autoantibodies directed against this antigen was investigated in
patients with corneal melting disease, corneal transplantation and in
uveitis patients using an ELISA and comparing the results with those
obtained with...

...of sera showed a positive immunofluorescence test but a negative ELISA
against the 54 Kd corneal epithelium antigen. The latter finding
suggests that certain patients have antibodies against other, as yet not

well defined, corneal epithelium antigens.
DESCRIPTORS: HUMAN CORNEAL MELTING DISEASE UVEITIS CORNEA TRANSPLANT
ELISA IMMUNOFLUORESCENCE
DESCRIPTORS:
...MAJOR CONCEPTS: Human Medicine, Medical Sciences

9/3,K/38 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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0003892529 BIOSIS NO.: 198375076472
**IN-VIVO SPECULAR MICROSCOPY OF EDEMATOUS HUMAN CORNEAL EPITHELIUM WITH
LIGHT MICROSCOPIC AND SCANNING ELECTRON MICROSCOPIC CORRELATION**
AUTHOR: LOHMAN L E (Reprint); RAO G N; TRIPATHI R C; TRIPATHI B J;
AQUAVELLA J V
AUTHOR ADDRESS: 1160 CHILI AVE, ROCHESTER, NY 14624, USA**USA
JOURNAL: Ophthalmology 89 (6): p621-629 1982
ISSN: 0161-6420
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

**IN-VIVO SPECULAR MICROSCOPY OF EDEMATOUS HUMAN CORNEAL EPITHELIUM WITH
LIGHT MICROSCOPIC AND SCANNING ELECTRON MICROSCOPIC CORRELATION**

...ABSTRACT: epithelium in 35 eyes with chronic corneal edema. Seven of the patients subsequently underwent corneal transplantation allowing for correlation of the in vivo findings with the light microscopic and EM appearance...

9/3,K/39 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE
(c) 2006 Elsevier B.V. All rts. reserv.

07389132 EMBASE No: 1998298850
Expression of ABO blood group antigens in stroma of diseased corneas
ABO BLUTGRUPPENANTIGENE IM STROMA ERKRANKTER HORNHAUTE
Ardjomand N.; Reich M.E.; Radner H.
Dr. N. Ardjomand, Universitäts-Augenklinik, Karl-Franzens-Universität,
Auenbruggerplatz 4, A-8036 Graz Austria
Spektrum der Augenheilkunde (SPEKTRUM AUGENHEILKD.) (Austria) 1998,
12/4 (133-136)
CODEN: SPAUE ISSN: 0930-4282
DOCUMENT TYPE: Journal; Article
LANGUAGE: GERMAN SUMMARY LANGUAGE: ENGLISH; GERMAN
NUMBER OF REFERENCES: 24

...AB were examined. Immunohistochemical staining of paraffin embedded sections was performed with monoclonal mouse anti human blood group A or B antibodies using the streptavidin-biotin-peroxidase complex technique. The corneal epithelium was positive for blood group antigens A or B in all cases and the expression...

...possible in diseased corneas. This phenomenon may play a role in graft rejection after corneal transplantation .

MEDICAL DESCRIPTORS:
keratopathy; congenital cornea dystrophy; antigen expression; blood group ABO system; human ; clinical article; controlled study; human tissue;

article

9/3,K/40 (Item 2 from file: 73)
DIALOG(R)File 73:EMBASE
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06226827 EMBASE No: 1995259530

Transplantation of preserved human amniotic membrane for surface reconstruction in severely damaged rabbit corneas

Jae Chan Kim; Tseng S.C.G.

Bascom Palmer Eye Institute, P.O. Box 016880, Miami, FL 33101 United States

Cornea (CORNEA) (United States) 1995, 14/5 (473-484)

CODEN: CORND ISSN: 0277-3740

DOCUMENT TYPE: Journal; Article

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

Transplantation of preserved human amniotic membrane for surface reconstruction in severely damaged rabbit corneas

After n-heptanol removal of the total corneal epithelium and a limbal lamellar keratectomy, 23 rabbit eyes developed features of limbal stem cell deficiency...

...month later, 10 control eyes received a total keratectomy, and 13 experimental eyes received additional transplantation of glycerin-preserved human amniotic membrane. In 3 months of follow-up, all control corneas were revascularized to the...

MEDICAL DESCRIPTORS:

amnion; animal experiment; animal model; article; chemical burn; controlled study; cornea injury; epithelization; human; human tissue; nonhuman; priority journal; rabbit; wound healing

9/3,K/41 (Item 3 from file: 73)
DIALOG(R)File 73:EMBASE
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05476036 EMBASE No: 1993244135

Ophthalmological findings in graft versus host disease (GvHD)

OPHTHALMOLOGISCHE BEFUNDE BEI GRAFT VERSUS HOST DISEASE (GVHD)

Kasmann B.; Ruprecht K.W.

Augenklinik, Poliklinik Orthoptistenlehranstalt, Universitat des

Saarlandes, Oscar-Orth-Strasse 1, D-66424 Homburg Germany

Klinische Monatsblatter fur Augenheilkunde (KLIN. MONATSBL. AUGENHEILKD.

) (Germany) 1993, 202/6 (491-499)

CODEN: KMAUA ISSN: 0023-2165

DOCUMENT TYPE: Journal; Short Survey

LANGUAGE: GERMAN SUMMARY LANGUAGE: ENGLISH; GERMAN

Background: Since the era of bone marrow transplantation, the picture of acute and/or chronic transplant reaction of the host cells against grafted bone marrow has become more frequent. The so...

...of the malignant leukaemia disease. Therefore, new therapeutic regimen are now performed which keep the patient on a low level of GvHD to prevent a recurrence of leukaemia. Here a close...

...be classified into 4 stages: injection/exudation and chemosis/formation

of pseudomembranes/defects of the corneal epithelium. These stages correlate directly to the prognosis of the survival time of the patient. A pathognomonic sign for the chronic GvHD of the conjunctiva are the fibrous-scarry Arlt-lines of the tarsal conjunctiva. Conclusions: All patients who underwent a bone marrow transplantation for leukaemia need to be followed up closely to estimate the level of GvHD they...

MEDICAL DESCRIPTORS:

adult; case report; human ; male; patient monitoring; priority journal; prognosis; short survey

9/3,K/42 (Item 4 from file: 73)

DIALOG(R)File 73:EMBASE

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04578342 EMBASE No: 1991072385

HLA antigenicity of normal and pathological human corneas

Delbosc B.; Fellmann D.; Piquot X.; Montard M.; Royer J.

Clinique Ophthalmologique, CHU Jean-Minjoz, 25030 Besancon France

Journal Francais d'Ophthalmologie (J. FR. OPHTALMOL.) (France) 1990, 13/11-12 (535-541)

CODEN: JFOPD ISSN: 0181-5512

DOCUMENT TYPE: Journal; Article

LANGUAGE: FRENCH SUMMARY LANGUAGE: ENGLISH

HLA antigenicity of normal and pathological human corneas

Fresh human corneas and corneal buttons were studied for expression of HLA antigens. Using monoclonal antibodies in...

...class I (HLA-A, B, C) and class II (HLA-DR) histocompatibility antigens. Twenty-one human corneas were studied, 6 normal and 15 pathological: 4 buttons of allograft rejection, 9 buttons of pseudophakic bullous keratopathy. In fresh control corneas, HLA-A, B, C antigens were localized on corneal epithelium and on stromal keratocytes but were never found on endothelial cells. HLA-DR antigens were not detected on corneal epithelium, stroma or endothelium but were detected on Langerhans cells within epithelium and anterior stroma. At...

...This study and others have demonstrated the ability of modulation of HLA antigen expression on human corneal cells in vivo.

MEDICAL DESCRIPTORS:

article; clinical article; human ; human tissue ; immunomodulation

9/3,K/43 (Item 5 from file: 73)

DIALOG(R)File 73:EMBASE

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03162630 EMBASE No: 1986140207

Autoimmunity against corneal antigens. I. Isolation of a soluble 54 Kd corneal epithelium antigen

Kruit P.J.; Van Der Gaag R.; Broersma L.; Kijlstra A.

Department of Ophthalmology, Free University of Amsterdam, Amsterdam Netherlands

Current Eye Research (CURR. EYE RES.) (United Kingdom) 1986, 5/4 (313-320)

CODEN: CEYRD

DOCUMENT TYPE: Journal

LANGUAGE: ENGLISH

Corneal epithelium antibodies were detected in patients with corneal melting disease and uveitis using an immunofluorescence technique...

...these various substrates, indicating that the autoimmune response is directed against common non-species specific corneal epithelium antigens. The serum of a patient with corneal melting disease, containing a high antibody titer against corneal epithelium was used to identify and isolate one of the bovine corneal antigens. A 54,000 dalton protein was isolated, which was shown to be the major protein present in the corneal epithelium. Absorption studies with other tissues taken from human eyes showed that cornea epithelium, cornea devoid of epithelium, ciliary body and retina contained material which cross-reacted with the isolated bovine corneal epithelium antigen, whereas iris and sclera showed no detectable cross-reaction. The incidence of autoantibodies directed against this antigen as investigated in patients with corneal melting disease, corneal transplantation and in uveitis patients using an ELISA and comparing the results with those obtained with...

...of sera showed a positive immunofluorescence test but a negative ELISA against the 54 Kd corneal epithelium antigen. The latter finding suggests that certain patients have antibodies against other, as yet not well defined, corneal epithelium antigens.

MEDICAL DESCRIPTORS:

enzyme linked immunosorbent assay; serum; visual system; human ; etiology; clinical article

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Set	Items	Description
S1	0	(DIACETYLCYSTINE) (S) (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
S2	1	(DIACETYLCYSTINE) AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
S3	438	(CORNEAL (W) EPITHELIUM) (S) (ALLOGRAFT OR TRANSPLANT OR TRANSPLANTATION)
S4	164	S3 NOT PY>2000
S5	80	RD (unique items)
S6	0	S5 AND (IMMUNOMODULATOR OR IMMUNOSUPPRESSANT)
S7	0	S5 AND (DELAYED (W) HYPERSENSITIVE (W) REACTION)
S8	0	S5 AND (EYEDROP)
S9	43	S5 AND (HUMAN OR PATIENT)
S10	0	S9 AND (CORNEAL (W) EPITHELIUM (W) ALLOGRAFT)
S11	0	(CORNEAL (W) EPITHELIUM (W) ALLOGRAFT)
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